Notice No.7

Rules and Regulations for the Classification of Special Service Craft July 2017

The status of this Rule set is amended as shown and is now to be read in conjunction with this and prior Notices. Any corrigenda included in the Notice are effective immediately.

Please note that corrigenda amends to paragraphs, Tables and Figures are not shown in their entirety.

Issue date: June 2018

Amendments to	Effective date	IACS/IMO implementation (if applicable)
Part 1, Chapter 4, Section 10	Corrigendum	N/A
Part 3, Chapter 3, Section 2	Corrigendum	N/A
Part 5, Chapter 2, Section 3	Corrigendum	N/A
Part 6, Chapter 4, Section 7	Corrigendum	N/A
Part 6, Chapter 7, Section 4	Corrigendum	N/A
Part 7, Chapter 3, Section 7	Corrigendum	N/A
Part 7, Chapter 4, Section 7	Corrigendum	N/A
Part 12, Chapter 1, Section 4	Corrigendum	N/A
Part 16, Chapter 2, Section 1	Corrigendum	N/A

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Part 1, Chapter 4
Periodical Survey Regulations for Yachts

■ *Section 10*
Screwshafts, tube shafts, propellers and water jet units

10.2 Definitions

10.2.4 **Oil sample examination**. An oil sample examination is a visual examination of the ~~stern tube~~ sterntube lubricating oil taken in the presence of a Surveyor, with a focus on water contamination.

All instances of stern tube have been replaced with sterntube throughout this Ruleset.

Part 3, Chapter 3
Control Systems

■ *Section 2*
Rudders

2.16 Lowest main bearing requirement

Table 3.2.9 Lowest main bearing requirements

Item	Requirement	
Lowest main bearing	Depth Z_B, in mm $1{,}5d_s \geq Z_B \geq 1{,}0d_s$	Minimum ~~thickness of wall~~ bearing housing wall thickness, in mm lesser of 0,2d_s or 100

Part 5, Chapter 2
Local Design Loads

■ *Section 3*
Motion response

3.2 Vertical acceleration

3.2.6 The vertical acceleration in the displacement mode for all craft is to be taken as:

$$\cancel{a_V = 0{,}2G + \frac{34}{L_{WL}}} \qquad a_V = 0{,}2\Gamma + \frac{34}{L_{WL}}$$

Part 6, Chapter 4
Scantling Determination for Multi-Hull Craft

■ *Section 7*
Bulkheads and deep tanks

7.1 General

7.1.1 Unless otherwise specified in this Section, the scantlings and arrangements for bulkheads and deep tanks are to be determined in accordance with the procedures described in, or as required by ~~*Pt 6, Ch 3, 3 Shell envelope plating*~~ *Pt 7, Ch 3, 7 Bulkheads and deep tanks* for mono-hull craft using the pressures from *Pt 5 Design and Load Criteria* appropriate to multi-hulls.

Part 6, Chapter 7
Failure Modes Control

■ *Section 4*
Buckling control

4.4 Derivation of the buckling stress for plate panels

Table 7.4.2 Plate panel buckling requirements

(e)	Bi-axial compressive loads plus shear loads	$\cancel{\frac{0,625\left(1+\frac{0,6}{A_R}\right)\left(\frac{\sigma_{dy}}{\sigma_{cy}}\right)}{\left(1-0,625\right)\left(\frac{\sigma_{dx}}{\sigma_{cx}}\right)}+\frac{\left(\frac{\tau_d}{\tau_c}\right)^2}{1-\left(\frac{\sigma_{dx}}{\sigma_{cx}}\right)}\leq 1}$ $\frac{0,625\left(1+\frac{0,6}{A_R}\right)\left(\frac{\sigma_{dy}}{\sigma_{cy}}\right)}{1-0,625\left(\frac{\sigma_{dx}}{\sigma_{cx}}\right)}+\frac{\left(\frac{\tau_d}{\tau_c}\right)^2}{1-\left(\frac{\sigma_{dx}}{\sigma_{cx}}\right)}\leq 1$

Part 7, Chapter 3
Scantling Determination for Mono-Hull Craft

■ *Section 7*
Bulkheads and deep tanks

Part 7, Chapter 4
Scantling Determination for Multi-Hull Craft

■ *Section 7*
Bulkheads and deep tanks

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Part 12, Chapter 1
Propellers

■ *Section 4*
Propeller design

4.1 Minimum blade thickness

4.1.6 Where the design of a propeller has been based on analysis of reliable wake survey data in conjunction with a detailed fatigue analysis and is deemed to permit scantlings less than required by ~~*Pt 12, Ch 1, 5.1 General 5.1.1*~~ *Pt 12, Ch 1, 4.1 Minimum blade thickness*, a detailed stress analysis for the blades is to be submitted for consideration.

Part 16, Chapter 2
Electrical Engineering

■ *Section 1*
General requirements

1.2 Documentation required for design review

1.2.1 The documentation described in *Pt 16, Ch 2, 1.2 Documentation required for design review 1.2.2* to *Pt 16, Ch 2, 1.2 Documentation required for design review 1.2.12* is to be submitted for design review.

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